

What is Claimed is:

- 1 1. A method of assembling a connector, comprising:
 - 2 providing a first plurality of connector slices, each connector slice comprising an
 - 3 electrically insulating body of a first thickness, the electrically insulating body having first
 - 4 and second major surfaces, and further having a plurality of through-holes providing
 - 5 openings between the first and second major surfaces; and
 - 6 stacking the first plurality of connector slices in vertical alignment such that each
 - 7 through-hole of each connector slice is coaxially aligned with the corresponding through-
 - 8 holes of the other connector slices, and such that the stack so formed has a first
 - 9 predetermined height;
 - 10 wherein each of the through-holes are adapted to receive a conductor.
- 1 2. The method of Claim 1, further comprising adhering at least one pair of the first
- 2 plurality of stacked connector slices to each other.
- 1 3. The method of Claim 2, wherein adhering comprises disposing a low viscosity
- 2 glue between the at least one pair of the first plurality of stacked connector slices.
- 1 4. The method of Claim 2, wherein adhering comprises disposing an adhesive sheet
- 2 between the at least one pair of the first plurality of stacked connector slices.
- 1 5. The method of Claim 2, wherein adhering comprises applying pressure to a snap-

2 together interface disposed on opposing major surfaces of the at least one pair of the
3 first plurality of stacked connector slices.

1 6. The method of Claim 1, further comprising providing at least one connector slice
2 comprising an electrically insulating body of a second thickness, the electrically
3 insulating body having first and second major surfaces, and further having a plurality of
4 through-holes providing openings between the first and second major surfaces;
5 stacking the at least one connector slice having the second thickness in vertical
6 alignment such that each through-hole of each connector slice is coaxially aligned with
7 the corresponding through-holes of the other connector slices, and such that the stack
8 so formed has a second predetermined height.

1 7. The method of Claim 1, wherein the through-holes are circular and the conductor
2 is a coax cable segment.

1 8. The method of Claim 1, wherein the through-holes are oval and the conductor is
2 a twinax cable segment.

1 9. The method of Claim 1, wherein a first portion of the coaxially aligned through-
2 holes are circular, and a second portion of the coaxially aligned through-holes are oval.

1 10. The method of Claim 1, wherein the through-holes are plated with at least one
2 conductive material, and the conductor comprises at least one conductive wire

3 surrounded by a dielectric material.

1 11. The method of Claim 1, wherein at least a portion of the through-holes include a
2 cavity interference feature.

1 12. The method of Claim 1, further comprising disposing at least one deformed
2 conductor body into at least one set of coaxially aligned through-holes.

1 13. The method of Claim 12, wherein the deformed conductor body is bent.

1 14. The method of Claim 12, wherein the deformed conductor body has a plurality of
2 bumps disposed upon its outer surface.

1 15. The method of Claim 1, further comprising disposing a tight-sheet between at
2 least one pair of the stacked connector slices, the tight-sheet having through-holes
3 coaxially aligned with the through-holes of the stacked connector slices.

1 16. The method of Claim 15, wherein the tight-sheet comprises a flex material.

1 17. The method of Claim 15, wherein the tight-sheet comprises a sheet of rigid
2 material, the through-holes of the rigid material having an inner circumference that is
3 less than an inner circumference of the through-holes of the stacked connector slices.

1 18. The method of Claim 1, further comprising providing an electrically conductive
2 coating in at least a portion of the through-holes of the first plurality of connector slices.

1 19. The method of Claim 18, further comprising disposing a conductive sheet
2 between a pair of the first plurality of stacked connector slices.

1 20. The method of Claim 19, further comprising inserting a conductor with a
2 dielectric coating into a conductively coated through-hole.